

THE EMBODIMENTS OF THE INVENTION IN WHICH AN EXCLUSIVE PROPERTY OR PRIVILEGE IS CLAIMED ARE DEFINED AS FOLLOWS:

- 5 1. A sanitation system for a refrigerated fixture, comprising:
 - a spray manifold positioned in a case tank of a refrigerated fixture;
 - a reservoir adapted to contain disinfectant;
 - 10 a pump adapted to pump disinfectant from the reservoir through the spray manifold, whereby disinfectant is sprayed into the case tank;
 - 15 a controller connected to the pump and adapted to control the frequency and duration of the spray through the spray manifold.
- 20 2. The sanitation system as defined in Claim 1, wherein the disinfectant is a quaternary ammonium.
- 25 3. The sanitation system as defined in Claim 1, wherein water is supplied to the pump via a water supply line and a metering valve is used to combine desired proportions of water and disinfectant.
- 30 4. The sanitation system as defined in Claim 3, wherein a filter is provided on the water supply line to filter out contaminants.
- 35 5. The sanitation system as defined in Claim 1, wherein a one way valve is positioned on the water supply line to prevent backflow.
6. The sanitation system as defined in Claim 1, wherein a one way valve is disposed between the reservoir and the pump to prevent backflow.

7. The sanitation system as defined in Claim 1, wherein the pump and the controller are positioned on a panel.

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8. The sanitation system as defined in Claim 1, wherein a flow regulator is used to maintain a constant flow rate.

9. The sanitation system as defined in Claim 1, wherein a
10 metering valve is used to ensure a consistent injection of
disinfectant.